

## STAT 220

### FINAL MARKS, Fall Term, 1993

Number of students . . . . .	36
Average . . . . .	62 <sup>1</sup> / <sub>4</sub> %
S.d. . . . .	14 <sup>3</sup> / <sub>4</sub> %
Median . . . . .	61 <sup>1</sup> / <sub>2</sub> %
IQR . . . . .	21%
Pass . . . . .	89% (32 students)
Fail . . . . .	11% ( 4 students)

Distribution of marks (stemplot):

9	3	( 1)
8	01234	( 5)
7	03346 9	( 6)
6	03355 69	( 7)
5	00022 34555 668	(13)
4	03	( 2)
3	7	( 1)
2	8	( 1)
1		( -)

### ASSIGNMENT SUBMISSION AND FINAL MARKS

Assignments submitted (out of 6)	Unadjusted final mark (%)	No.	Av. (%)	S.d. (%)
6	52, 52, 55, 55, 63, 66, 69, 73, 74, 79, 81, 82, 83, 84, 93	15	71	13.2
5	56, 63, 65, 70, 73, 80	6	68	8.4
4	49, 54, 65	3	56	8.2
3	50, 56, 60, 76	4	60	11.1
2	40, 43, 55, 58	4	49	8.8
1	28	1	28	---
0	37, 49, 53	3	46	8.3

These observations raise the following points of interest:

- No student who submitted 5 or 6 assignments failed the course.
  - Eleven of the 12 students with a final mark of 70% or greater submitted 5 or 6 assignments.
- All four students with a failing adjusted final mark submitted 2 or fewer assignments.
  - The highest final mark was 58% among students submitting 2 or fewer assignments.

- The summary at the right of the more detailed table above shows the relationship between final grade and number of assignments submitted; the 'slope' of this relationship is around 4 percentage points of average final grade per assignment submitted.

Ass. sub.	No.	Av. (%)
5,6	21	70
3,4	7	59
0,1,2	8	45

- The average number of assignments submitted was 4.25 (71%) and the average assignment mark (out of 10) was about 7.2 (72%).
  - The product (about 51%) of these two percentages suggests that the 'average' student in STAT 220 demonstrated competence in about *half* the assignment material.

*(continued overleaf)*

**STAT 220**  
**FINAL EXAMINATION MARKS, Fall Term, 1993**

Number of students . . . . .	36
Average . . . . .	60¾%
S.d. . . . .	14½%
Median . . . . .	60½%
IQR . . . . .	22½%
Pass . . . . .	69% (29 students)
Fail . . . . .	31% ( 7 students)

Distribution of marks (stemplot):

9		( -)
8	0129	( 4)
7	00244 589	( 8)
6	01134 169	( 7)
5	00122 33688	(10)
4	12468	( 5)
3	13	( 2)
2	3	( -)
1		( -)

**STAT 220**

**QUIZ #1 MARKS – Fall Term, 1993**

Number of students . . . . .	37
Average . . . . .	71¼%
S.d. . . . .	17¼%
Median . . . . .	78%
IQR . . . . .	24%
Pass . . . . .	84% (31 students)
Fail . . . . .	16% ( 6 students)

Distribution of marks (stemplot):

9	047	( 3)
8	00123 44555 569	(13)
7	22234 899	( 8)
6	0556	( 4)
5	158	( 3)
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4	1778	( 4)
3	22	( 2)
2		( -)
1		( -)

**STAT 220**

**QUIZ #2 MARKS – Fall Term, 1993**

Number of students . . . . .	35
Average . . . . .	66%
S.d. . . . .	16¾%
Median . . . . .	66%
IQR . . . . .	24½%
Pass . . . . .	80% (28 students)
Fail . . . . .	20% ( 7 students)

Distribution of marks (stemplot):

10	1	(1)
9	11	(2)
8	17889	(5)
7	00126 7	(6)
6	24466 788	(8)
5	00488 9	(6)
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4	16799	(5)
3	49	(2)
2		(-)
1		(-)

**STAT 220**  
**ASSIGNMENT MARKS – Fall Term, 1993**

**Assignment 1**

Mark distribution:

10	3
9	14
8	11
7	2
6	2
5	--
4	--
3	--
2	--
1	--
	32

Average: 8.44

Median: 9

**Assignment 2**

Mark distribution:

10	6
9	5
8	1
7	5
6	4
5	2
4	1
3	1
2	1
1	--
	26

Average: 7.35

Median: 7

**Assignment 3**

Mark distribution:

10	4
9	4
8	7
7	4
6	--
5	1
4	2
3	--
2	1
1	--
	23

Average: 7.61

Median: 8

**Assignment 4**

Mark distribution:

10	3
9	1
8	2
7	2
6	6
5	6
4	2
3	5
2	1
1	--
	28

Average: 5.71

Median: 5½

**Assignment 5**

Mark distribution:

10	--
9	4
8	10
7	9
6	3
5	--
4	--
3	--
2	--
1	--
	26

Average: 7.58

Median: 8

**Assignment 6**

Mark distribution:

10	3
9	--
8	3
7	2
6	7
5	5
4	1
3	--
2	1
1	--
	22

Average: 6.41

Median: 6